



# TARDEC Dual Use Technology Briefing



**TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.**

**National Automotive Center**

**Tech Transfer Team**

July / August 2009

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## *Partnership Intermediaries (DoD)*

Licensing of patented technologies

First Responder  
Technology Transfer

**TechLink**

[www.techlinkcenter.org](http://www.techlinkcenter.org)

**SpringBoard**

[www.gospringboard.org](http://www.gospringboard.org)

**FirstLink**

[www.dodfirstlink.com](http://www.dodfirstlink.com)

## *Partnership Intermediary (Local)*

**Automation Alley**

[www.automationalley.com](http://www.automationalley.com)

- **Testing Services Agreements**
- **Education Partnerships**
- **Cooperative Research And Development Agreements (CRADA)**
- **Small Business Innovation Research (SBIR)**



- **Allows commercial entities to utilize unique capabilities of Government labs**
- **Government is reimbursed for operational and equipment expenses**
- **Cannot compete with private industry**
- **Test data belongs only to customer**



- **Encourage, enhance study in scientific disciplines;**
- **Set up with US non-profit educational institutions dedicated to improving science, math & engineering education;**
- **Provide assistance by...**
  - **Loaning or transferring equipment**
  - **Making lab personnel available**
  - **Involving students and faculty in research**
  - **Providing academic and career advice**



Cooperative Research  
**CRADA**  
And Development Agreement





- **Created by the Federal Technology Transfer Act of 1986**
- **Extends to all government-owned laboratories**
- **Defined in U.S. Code, Title 15, Section 3710a**
- **Not a procurement contract; Federal Acquisition Regulations do not apply**

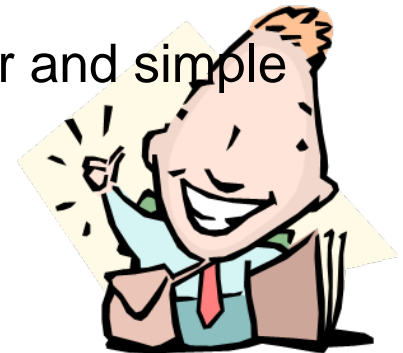




- **Between Government Laboratories and commercial, academic, government or association partners;**
- **Facilitate technology transfer between the parties;**
- **Partner contributes personnel, services, property and funding;**
- **Government contributes all the above, except funding.**

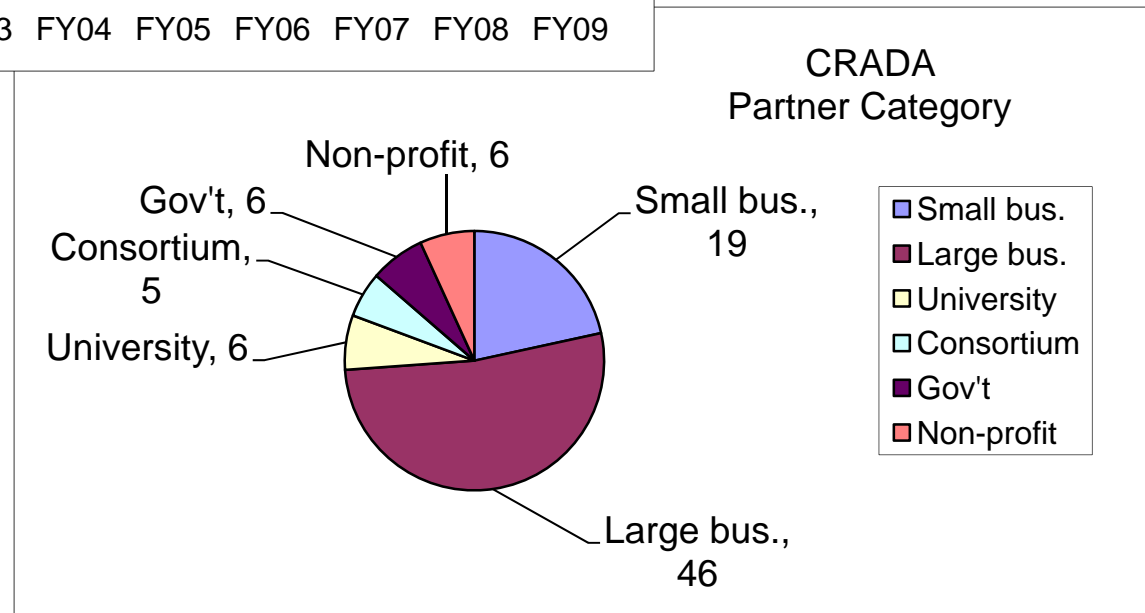
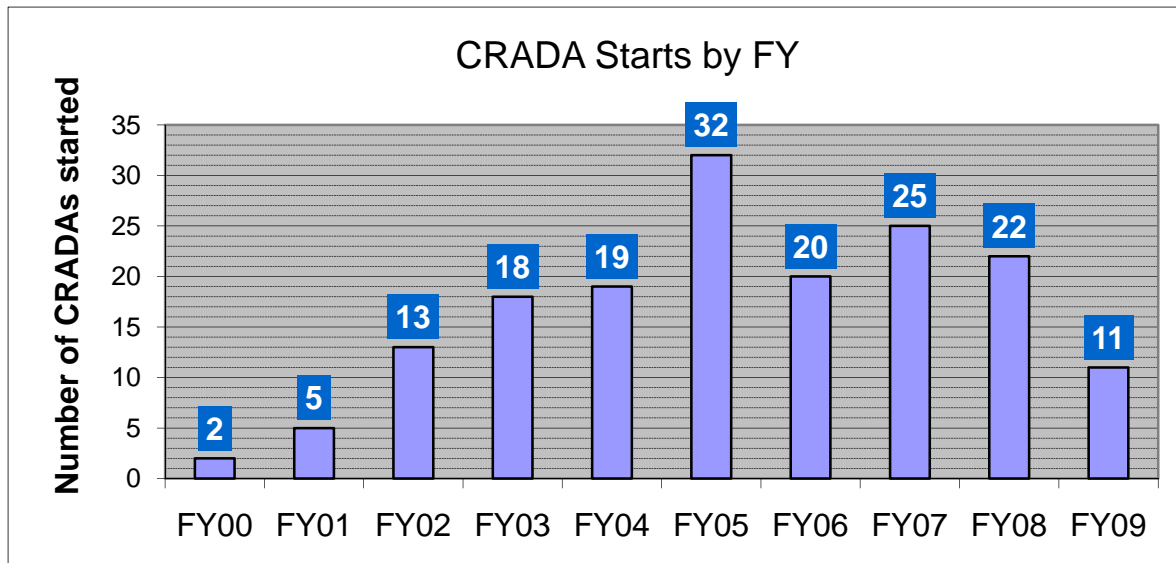


- **Quick** - Typically established within 60 days of initiation.
- **Flexible** - Leveraging of resources; each party pays for their tasks under flexible Statement of Work (SOW).
- **Mutually Beneficial** - Encourages cooperative R&D; partner has option to obtain an exclusive license for technology the Army invents under the CRADA.
- **Safe** - Proprietary information protected; all inventions developed under CRADA belongs to inventing party.
- **Simple** - Conditions and basic rights set forth in clear and simple language.



- **Duration** – Typically 3 years; renewable.
- **Termination** – Upon expiration, by mutual consent, or unilaterally (with written notice).
- **Multiple CRADAs** – A partner may have more than one CRADA with TARDEC simultaneously.
- **Special Agreements**
  - Master Agreement: many SOW's under one contract
  - 3-way: more than one partner
  - Foreign partner: requires approval from trade rep.







# CRADA/SBIR – NAC Homepage



## National Automotive Center (NAC)

- National Automotive Center (NAC)
- Broad Agency Announcement
- CRADA
- Education Partnership Agreement
- Patent License Agreement
- SBIR
- Test Services Agreement
- Unsolicited Proposal



Chartered by the Secretary of the Army 21 June 1993

### Mission

The Center will serve as the Army focal point for the development of dual-use automotive technologies and their application to military ground vehicles. It will focus on facilitating joint efforts between industry, government and academia in basic research, collaboration, technology, industrial base development and professional development.

### Introduction


The NAC, founded in 1993, is the DoD/Army focal point for collaborative ground vehicle research and development (R&D). The NAC, located at the Tank-Automotive and Armaments Command (TACOM), is an integral part of the Army's Tank-Automotive Research, Development and Engineering Center (TARDEC). The NAC serves as a catalyst linking industry, academia and government agencies in the development and exchange of automotive technologies. The NAC leverages government, commercial industry and academia R&D investments, and initiates shared automotive technology programs. Its primary focus is to benefit current and future military ground vehicle systems through: performance improvements, service life extensions, and reduction in ground vehicle design/manufacturing/production/operation/support costs.



### Key Collaborative Mechanisms Used

The NAC employs several key mechanisms to leverage investments in automotive technology R&D and for initiating shared technology programs. These mechanisms include: Collaborative automotive technology contracts, Small Business Innovative Research (SBIR) contracts, Cooperative Research and Development Agreements (CRADA) and Cooperative Agreements. The NAC also sponsors an academic Center of Excellence for Automotive Research

<http://tardec.army.mil/nac.asp>

Webmaster



## GROUND VEHICLE GATEWAY

U.S. ARMY TANK AUTOMOTIVE RESEARCH, DEVELOPMENT AND ENGINEERING CENTER

**TARDEC Technology Submission**

Soldiers are our NUMBER 1 priority. Help us make them your priority as well. Submit your ground vehicle systems technology concepts, ideas and innovations to TARDEC today using the electronic submission form below. Your submission will be treated confidentially, and a TARDEC technologist will thoroughly evaluate your proposal.

For all other inquiries, click on this link: <http://tardec.army.mil/contact.asp>.

**Your Submission**

\* Submission Title:

\* Submission:

Maximum 8,000 characters

Documents:

Click "Browse" and select the file you want to attach. Typing file names in the fields above will not attach your files.

\* Business Name:

Industry:

\* Name:

Job Title:

Address 1:

Address 2:

City:

State:

Zip Code:

\* Business Phone:

Mobile Phone:

Fax Number:

\* E-mail:

Web Address:

<https://tardec.groundvehiclegateway.com/>

- ❖ Online tool for technology submissions
- ❖ Formally announced at SAE World Congress 20 April 2009



